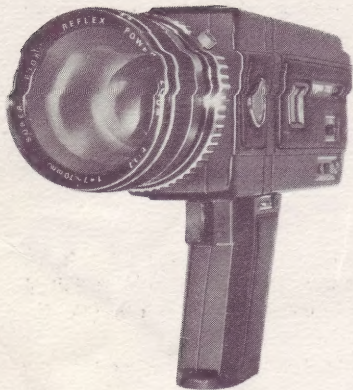


# argus®

## Super Eight Electric Zoom Reflex Movie Camera

### Instruction Manual

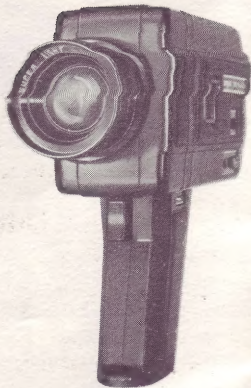




**MODEL 7510**



**MODEL 758**



**MODEL 753**

YOUR ARGUS 700 Series Electric Eye Super Eight Movie Camera has been specially designed to ensure successful, accurately exposed movies, even in the hands of a completely inexperienced user, indoors and out.

The highly sensitive CdS (Cadmium Sulphide) exposure meter built into the camera, continually measures the brightness of light falling on the subject and automatically adjusts the lens opening while you are filming.

This means that correct exposure of the film is achieved at all times, even though the subject may move from sunlight to shadow or vice versa as the camera is being used.

## **Electric Motor Drive**

The camera is driven by an accurately governed electric motor, powered by four 1.5 volt AA penlight batteries (dry cells) housed in the pistol grip. A set of fresh batteries provides sufficient power for a number of films, depending on the period of inactivity between films. For best results, use alkaline batteries.

The same set of batteries provides the current activating the automatic exposure meter and automatic zooming.

**Special Note:** It is a good practice to remove the batteries from the camera if an appreciable period of time elapses between films.

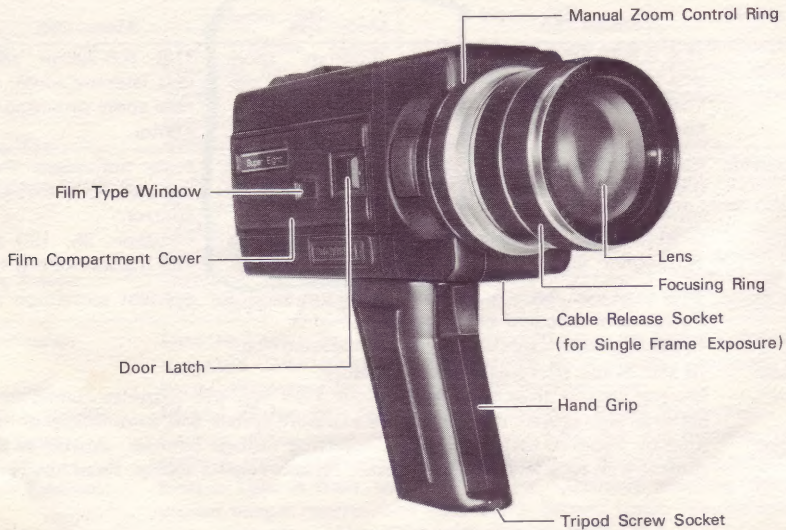


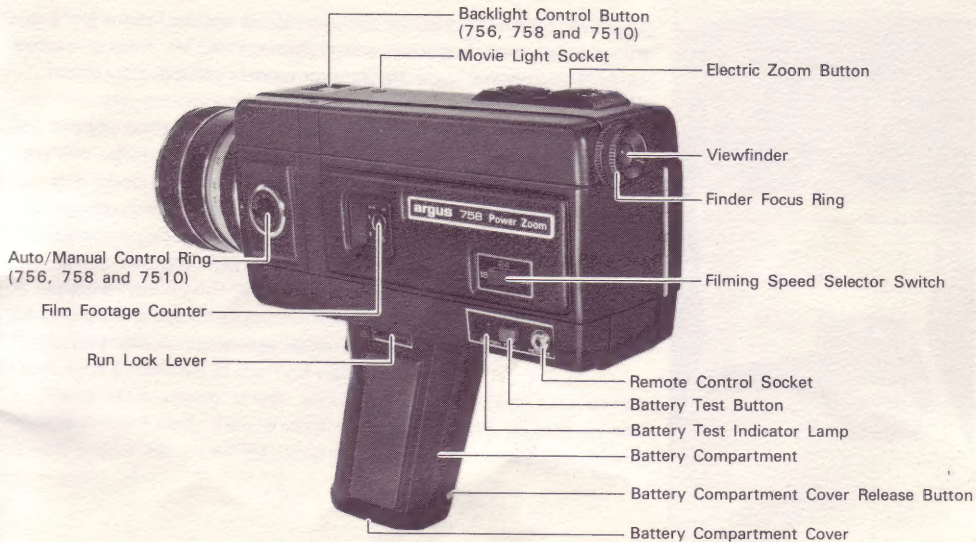
# SPECIFICATIONS OF argus MOVIE CAMERAS

	Model 7510	Model 758	Model 756
<b>Lens:</b>	f1.7 7-70mm Macro Focusing lens (electric zoom; manual zoom provision)	f1.7 8-64mm zoom lens (electric zoom; manual zoom provision)	f1.7 8-48mm zoom lens (electric zoom; manual zoom provision)
<b>Filter Size:</b>	67mm	58mm	55mm
<b>Exposure Control:</b>	Fully automatic Thru- the-Lens CdS exposure control; manual expo- sure control optional.	Fully automatic Thru- the-Lens CdS exposure control; manual expo- sure control optional.	Fully automatic Thru- the-Lens CdS exposure control; manual expo- sure control optional.
<b>ASA Range:</b>	Outdoor 25, 100 and 160. Indoor 40 and 160	Outdoor 25, 100 and 160. Indoor 40 and 160	Outdoor 25, 100 and 160. Indoor 40 and 160
<b>Viewfinder:</b>	Thru-the-Lens reflex viewfinder with provision for eyesight correction, aper- ture scale, Over/Under exposure warning signal; microprism to aid focusing.		
<b>Focusing:</b>	Focus adjustment by rotation of the focusing ring.		
<b>Filming Speeds:</b>	18 and 24 fps. plus Slow Motion and Single Frame exposure		
<b>Film Drive:</b>	Electric motor drive powered by four 1.5V AA size batteries (same set of batteries also powers the electric-eye exposure system and automatic zooming)		
<b>Other Features:</b>	Built-in Type A filter, backlight control, automatic resetting footage counter, shutter release control (run lock lever), battery tester, remote control socket, fixed hand-grip. Macro Focusing (Model 7510 only)		

# SPECIFICATIONS

	Model 755	Model 754	Model 753
<b>Lens:</b>	f1.8 8.5-42.5mm zoom lens (electric zoom; manual zoom provision)	f1.8 9-36mm zoom lens (electric zoom; manual zoom provision)	f1.8 9.5-32mm zoom lens (electric zoom; manual zoom provision)
<b>Filter Size:</b>	46mm	46mm	46mm
<b>Exposure Control:</b>	Fully automatic Thru-the-Lens CdS exposure control.	Fully automatic Thru-the-Lens CdS exposure control.	Fully automatic Thru-the-Lens CdS exposure control.
<b>ASA Range:</b>	Outdoor: 25, 100 and 160. Indoor: 40 and 160.	Outdoor: 25, 100 and 160. Indoor: 40 and 160.	Outdoor: 25, 100 and 160. Indoor: 40 and 160.
<b>Viewfinder:</b>	Thru-the-Lens reflex viewfinder with provision for eyesight correction and Over/Under exposure warning signal.		
<b>Focusing:</b>	Focus adjustment by rotation of the focusing ring.		
<b>Filming Speeds:</b>	18 and 24 fps, plus single frame exposure.		
<b>Film Drive:</b>	Electric motor drive powered by four 1.5V AA size batteries (same set of batteries also powers the electric-eye exposure system and automatic zooming)		
<b>Other Features:</b>	Built-in Type A filter, automatic resetting footage counter, shutter release control (run lock lever), battery tester, remote control socket, fixed hand-grip.		







## BEFORE TAKING THE CAMERA OUT OF BOX

The first time you take the camera out of its box, there are a few things to get ready before you start filming:

1. Install batteries to power your camera's electric drive.
2. Insert an instant-loading film cartridge.

... and you are ready for the first scene. However, we suggest you read through all of these instructions before you load-up and start shooting.

After the batteries have been installed and the film cartridge is in place, setting the camera's Automatic-Manual Control to AUTO (7510, 758 & 756) and unlocking the Trigger Release are all you ever have to do to get ready for filming! When you have exposed all of the film, open the camera, remove the cartridge and send it off for processing, insert another cartridge and continue shooting!





## INSERTING THE BATTERIES

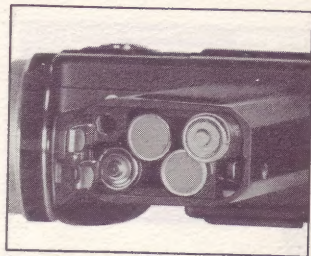
At the back of the pistol grip, there is a button. Just press the button to open the battery compartment cover.

Inside the battery compartment, a clearly embossed diagram indicates the correct placement of the batteries. Insert the batteries accordingly and close the compartment cover.

After inserting the batteries, press the trigger release briefly to see that power is being supplied properly. If motor does not run, check battery installation for correct position and contact. (Reversing the polarity position of the batteries will cause the camera mechanism and zoom lens drive to run backwards).

Weak batteries will slow the camera's filming speed and cause action to be greatly exaggerated on the screen. It is a good idea to frequently check the energy remaining in your batteries and replace them with a fresh set at the first sign of weakness.

There is a tripod screw socket located on the base of the compartment cover. This is used for mounting the camera on to a tripod and/or for attaching suitably threaded accessory equipment.





## BATTERY TEST

When the batteries are first installed and every time you use the camera, depress the BATTERY TEST button and note the indicator light. If light comes on, the batteries are still good. If not the batteries are too weak to operate the camera properly and should be replaced.

## LOADING THE FILM CARTRIDGE

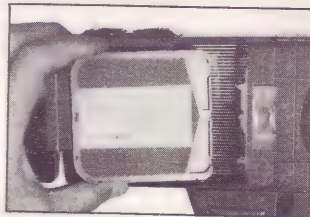
The correct film for your ARGUS Electric Eye Movie Camera is known as Super Eight film and is packed in a simple drop-in cartridge. The loading procedure is fast and mistake-proof. Your ARGUS Movie Camera will accept Super Eight Movie Film. (Kodachrome IIA, High Speed Ektachrome and Ektachrome etc.)

Open the hinged door of the film compartment by pushing the door latch towards the rear of the camera. On the floor of the compartment is a small driving wheel on the face of which is double tooth. On the side of the film cartridge is a recessed spindle. The cartridge fits into the compartment with the driving wheel and the recessed spindle facing each other. Additionally, there is a locating pin at the front of the compartment which ensures that the cartridge is inserted in the correct manner.

It is impossible to fit the cartridge into the camera in other than the correct position.

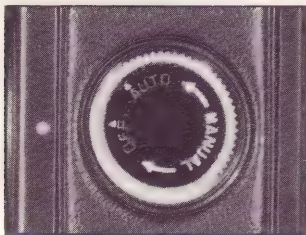
Insert the leading edge of the cartridge into the compartment, and the locating pin will engage with, and center the cartridge. All that remains is to press firmly on the rear end of the cartridge so that the two retaining clips inside the compartment snap over the rim of the cartridge and lock it into place.

Close the hinged door of the compartment and secure the door latch.

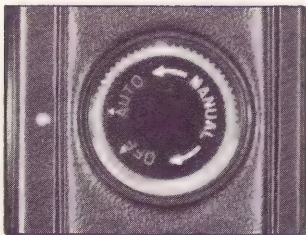


## AUTOMATIC-MANUAL CONTROL (For Models 7510, 758 and 756)

The electric eye exposure control takes power from the batteries only when the EXPOSURE CONTROL DIAL is in the AUTO or MANUAL position. When the camera is not in use move the EXPOSURE CONTROL DIAL to the OFF position and the circuit is then automatically off to conserve power.



Set EXPOSURE CONTROL DIAL to AUTO position whenever you want to use the automatic exposure control system. When set on AUTO, the camera's lens opening will automatically increase or decrease, while you are filming, continually adjusting for correct exposure in all suitable light conditions. "Suitable" conditions exist whenever the EXPOSURE INDICATOR in the VIEWFINDER shows any area of the aperture other than the red warning zone. If the red warning zone is visible at the exposure indicator marker, correct exposure will not be assured.



The lens opening being set by the electric eye (f 1.7 to f 22) is always visible in the viewfinder when the EXPOSURE INDICATOR is set on AUTO.



You can use this feature as a light meter to determine the proper lens setting for unusual conditions where the electric-eye may provide an undesirable exposure.

For instance, if your principal subject is an extremely dark one and in an extremely light background, or if your subject is strongly backlit or spotlight you may elect to use a manual setting.

With the automatic-manual control set on AUTO, hold the camera aimed at your subject at close range (so as to exclude the contrasting background from view) and note the lens opening setting in the viewfinder. Then return to your shooting position and turn the exposure control indicator dial toward MANUAL until the desired setting is "fixed" in the viewfinder. Now shoot the scene at this MANUAL setting.

Be sure to return the control to AUTO position when you want to resume automatic exposure. The control should be set on OFF position whenever the camera is stored or left unused for any reason. Remember, whenever you want automatically exposed movies, you must keep this control set on AUTO. Check frequently to see that it has not been unintentionally moved between scenes, and be alert for free movement of the lens opening in the indicator zone of the viewfinder while filming.



**Under exposure  
(7510, 758 & 756)**



**Over exposure  
(7510, 758 & 756)**



## AUTOMATIC CONTROL (For Models 755, 754 and 753)

The camera is equipped with the Thru-the-Lens automatic exposure control system. The camera's lens opening will automatically increase and decrease, while you are filming, continually adjusting for correct exposure in all suitable light conditions. "Suitable" condition exists whenever the WARNING INDICATOR located in the upper left corner of the viewfinder appears clear. If the red warning signal is visible, correct exposure will not be assured.



**Under exposure  
(755, 754 & 753)**



**Over exposure  
(755, 754 & 753)**

## SHOOTING

There are three ways to operate the camera: (1) with the TRIGGER RELEASE for normal filming with camera hand-held; (2) with the REMOTE CONTROL CORD for filming with camera on a tripod; (3) with a CABLE RELEASE for single-frame filming.

For normal filming, set the run lock lever to the "R" position. For continuous filming the run lock lever is first set to "R" position then moved to the "L" position while pressing the shutter release trigger. With the camera on a tripod you can get in the picture yourself! To stop the camera move the run lock lever to "R" position and let the release return forward. Move the lever to the "L" position as a safety lock to prevent running the camera accidentally whenever it is left unattended.

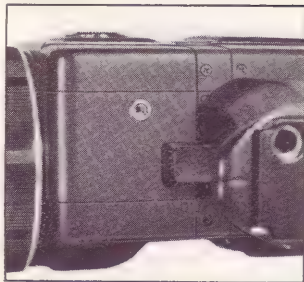


A remote control cord can be attached to the REMOTE CONTROL SOCKET. When installed, depress the trigger release all the way and lock it in continuous running with the run lock lever. Locking the release in this way will not run the camera. Filming is then started by pushing the remote control switch to ON.

A cable release can be attached to the CABLE RELEASE SOCKET. Any ASA American-thread release will fit. The cable release, when depressed, starts the camera's drive motor and permits a single frame at a time to be exposed for making titles, animated sequences, or time-lapse movies.

**NOTE:** The shutter is activated to expose only one frame each time you depress and release the cable release plunger. Avoid keeping the plunger depressed any longer than is necessary.

Remote control and single frame filming should be done on a tripod.





## USE OF BACKLIGHT CONTROL (Models 7510, 758 and 756)

Under backlight conditions, as with sunlight from behind the subject or with subject before an extremely bright background, better exposure of the subject is obtained by filming while holding the backlight control button depressed.

## SLOW MOTION FILMING (Models 7510, 758 and 756)

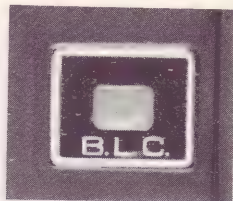
To slow down action of fast moving subjects, to analyze the motion of athletes in action or to obtain out-of-this-world slow motion effects, film by setting the filming speed selector switch at SM position.

## 24 FRAMES PER SECOND

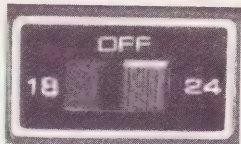
To obtain a more natural effect of running automobiles or other fast moving subjects, film by keeping the filming speed selector switch at '24'

## FILM SPEED SETTING

Your camera's electric-eye exposure system is set automatically for the speed rating of the film in use as you load the film cartridge. This is accomplished by a special sensor built into your camera. (For ASA film speed range, see specifications on Pages 4 and 5.)



(756, 758 & 7510)



(753, 754 & 755)

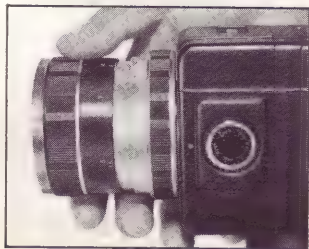


## MOVIES INDOORS

As soon as you attach your movie light to the socket on top of your camera, another built-in sensor automatically moves the type A filter away from the lens.

Should you use off – camera light source you must place the light bar screw furnished with your camera in the same socket provided for your movie light.

The built-in type A filter is for use in outdoor movie filming only. It is always in the lens position unless moved as described above.



## FOCUSING THE LENS

Your camera has a reflex viewfinder which lets you see exactly what will be recorded on the film. To focus, you must first adjust the viewfinder to your eyesight. Instructions for this and the focusing operation are given on the following page.

### To adjust the viewfinder to your eyesight:

1. Press zoom button "T" to set lens at extreme telephoto position.
2. Set the focus ring to infinity.
3. Viewing a distant scene (infinity distance) rotate viewfinder focus ring until image appears sharp and clear.

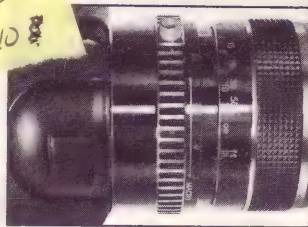
To secure focus follow step 1 above and then while viewing scene to be taken, rotate lens focusing ring until image in the viewfinder appears sharp and clear. You are now ready to shoot pictures at this distance throughout the zoom range from telephoto to wide angle.

To aid focusing, Models 7510, 758 and 756 provide a microprism spot at the center of the viewfinder field.

### MACRO-FOCUSING (Model 7150 only)

Set the focusing ring to infinity and the zoom ring at position and depress the macro-control button to engage macro focusing system. Keep the macro-control button depressed and rotate the zoom ring to adjust focus within the macro range; magnification as high as 1 : 1 is possible.

To disengage macro-focusing operation, simply move the zoom ring back to the 7mm position releasing the macro-control button.





**WIDE**



**TELEPHOTO**



## VIEWING AND ZOOMING

Your camera's zoom lens is a single lens which does the work of many. Your scenes can be framed as though you had backed away from your subject, or as though you had moved in for a close-up — all without your taking a single step. The zooming effect is always visible in the viewfinder (as shown in the illustrations for different lens positions).

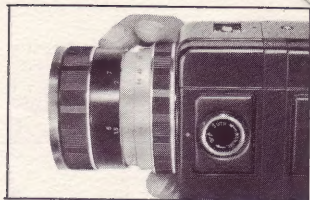
It is always a good practice to plan and preview in your camera's viewfinder the zooming effect you desire for any scene before actual filming.

The zoom feature is both electrically and manually controlled. These controls are operated as.



### Manual zoom

Rotate manual zoom control ring at back of lens, clockwise or counter-clockwise, until you have the desired field of view.



### Automatic zoom

Electric control is provided by depressing the "W" or "T" zoom button to obtain the desired zooming effect or select the exact scene coverage desired.

For faster zooming action, set the Low Hi lever to the "Hi" position. (For model 7510 only)



(Model 7510 only)

## TIPS FOR BETTER MOVIES

Always hold the camera as steady as possible when taking movies. Any slight wavering of the camera will be very obvious when your movies are projected. Use a tripod when possible.

Take pictures with the sun behind you whenever possible. The electric eye can "read" the scene and set the lens more accurately if this rule is followed.

"Panning" is the term used when the camera is moved horizontally or vertically when making movies. This should be done slowly and carefully to avoid unwanted effects such as jerking movements and blurring of the picture. When panning scenic pictures, filming in 24 f.p.s. will greatly improve the smoothness of the projected pictures. Plan your movies in advance to add a feeling of continuity to them. Try filming your movies in a story sequence instead of a series of unrelated scenes.

Time your scenes so that they are at least five or six seconds in length. Scenes can always be cut when editing.

## CARE AND CLEANING

Your Argus camera is a fine precision instrument and deserves the best care. Protect it from jarring or vibration and from extremes of heat, moisture, and dust. Keep the camera set on Meter off (Models 7510, 758 and 756), the run lock lever in the "L" position and in the carrying case when not in use.

Clean out the interior of the camera occasionally with a small camel's hair brush. Be sure to brush away any dirt or particles that may be in the film gate or they may show up in your movies. Do not attempt to remove or oil any part of your camera.

To clean the front of the camera lens, blow the dust off first, then use a camel's hair brush or lens tissue. Use lens cleaning fluid sparingly and only if it becomes necessary. Lens cleaning materials are available from your Argus dealer.



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